

# INTERNATIONAL SEARCH REPORT

Rev'd PCT

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International Application No  
PCT/EP 03/06908

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G04G1/00 H0101/27

According to International Patent Classification (IPC) or to both national classification and IPC

## **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G04G H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## **C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 047 163 A (MIYOSHI TATSUO) 4 April 2000 (2000-04-04) column 3, line 23 -column 5, line 15; figures 1-8	1-14
Y	EP 0 844 685 A (EBAUCHSFABRIK ETA AG) 27 May 1998 (1998-05-27) cited in the application column 1, line 3 -column 2, line 36; figures 1-3	1-14
A	EP 0 741 433 A (EBAUCHSFABRIK ETA AG) 6 November 1996 (1996-11-06) figures 1-16	1-14
A	DE 297 07 874 U (BECKER KLAUS) 28 May 1998 (1998-05-28) claims 1,2; figures 1-3	1-14

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

11 September 2003

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18/09/2003

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6047163	A	04-04-2000	JP 9232990 A	05-09-1997
EP 0844685	A	27-05-1998	CH 690525 A5	29-09-2000
			AT 233960 T	15-03-2003
			AU 724364 B2	21-09-2000
			AU 4527097 A	28-05-1998
			CA 2221860 A1	22-05-1998
			CN 1190858 A ,B	19-08-1998
			DE 69719464 D1	10-04-2003
			EP 0844685 A1	27-05-1998
			JP 10160872 A	19-06-1998
			SG 65703 A1	22-06-1999
			US 5798984 A	25-08-1998
EP 0741433	A	06-11-1996	EP 0741433 A1	06-11-1996
			CN 1144978 A ,B	12-03-1997
			DE 69523037 D1	08-11-2001
			DE 69523037 T2	24-10-2002
			HK 1013369 A1	14-06-2002
			JP 8321709 A	03-12-1996
			US 5627552 A	06-05-1997
DE 29707874	U	28-05-1998	DE 29707874 U1	28-05-1998